

**COMMENTS OF THE INTERSTATE RENEWABLE
ENERGY COUNCIL, INC. ON RESIDENTIAL
RATE DESIGN PROPOSALS**

Appendix B:

Utility Bill Impact Calculator Inputs Referenced in Comments

Figure B - 1: SCE Interim Rate with no Increase to Customer Charge

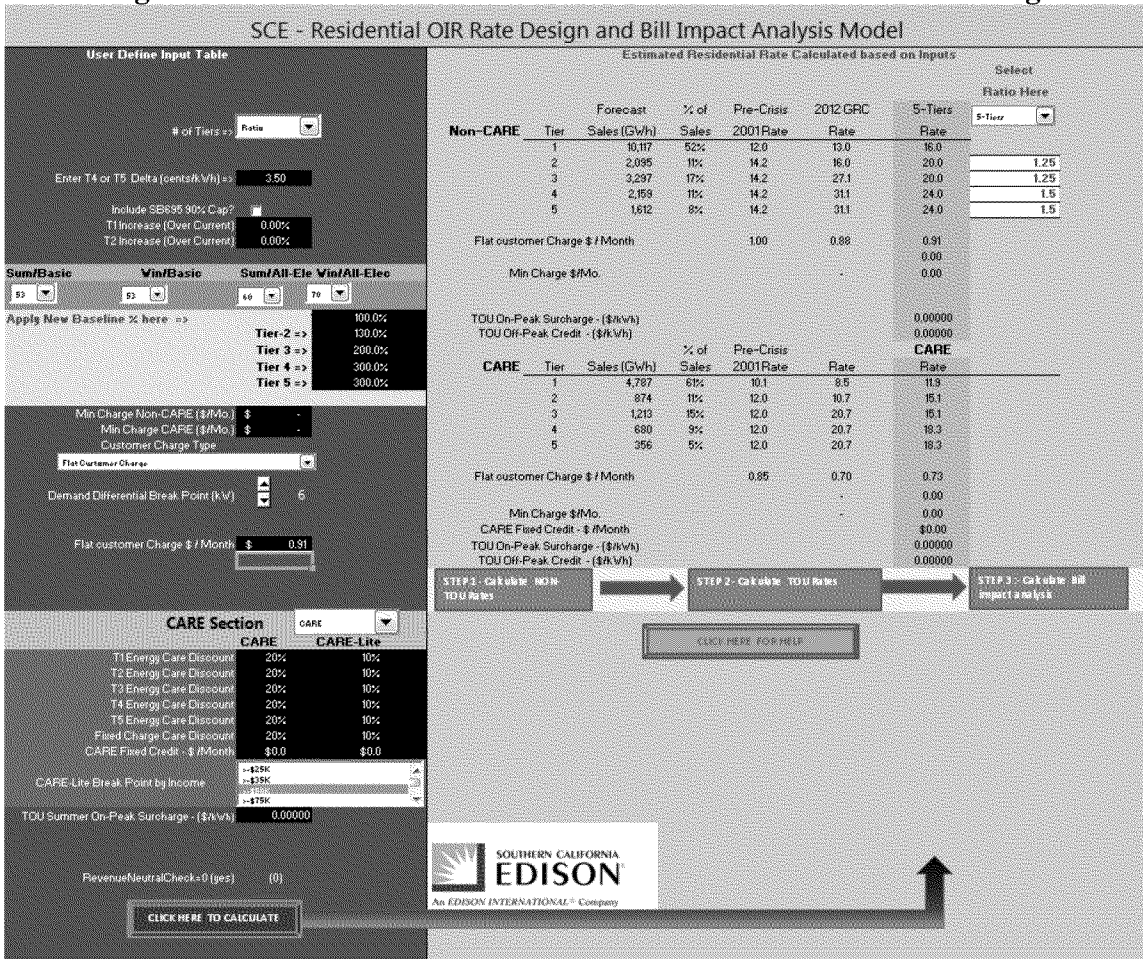


Figure B - 2: SCE TOU Rate with no Increase to Customer Charge

The screenshot shows a software interface for calculating TOU rates. On the left, there are input fields for 'Effective CARE Discount %' (20.0%), 'Effective CARE-LITE Discount %' (0.0%), 'Demand Differentiated Curt. Charge' (5), 'Customer Charge \$ / Month <5' (\$0.91), 'Customer Charge \$ /Month >=5' (\$0.9), 'Used Input Baseline Credit (\$/kWh)' (0), and 'Calculated Baseline Credit (\$/kWh)' (0.02831). A 'CLICK HERE TO CALCULATE' button is at the bottom. On the right, an 'Estimated TOU Option' table shows TOU rates in cents/kWh for various periods: Sum On-Peak (58.7), Sum Mid-Peak (23.7), Sum Off-Peak (12.5), Win Mid-Peak (15.1), and Win Off-Peak (12.7). Customer charges are \$0.91 for both <5 and >=5 kWh. Baseline credit is \$0.00000. A legend at the bottom identifies input types: USER Input (black), Output Rates (white), and Rate Ratio/Revenue Shifting Inputs (grey).

Figure B - 3: PG&E Proposed Rate based on July 1, 2012 Rates

The screenshot displays the 'PG&E -Rate Design and Bill Impact Analysis Model for Residential Electric Rate OIR'. It features a multi-step process: Step 2 (Update Current Rate Bill), Step 3 (Update Cost Based Bill), Step 5 (Calculate Non-TOU Rates), Step 6 (Update Non-TOU Reports), Step 1 (Update Baseline Quantity), and Step 7 (Calculate TOU Rates). The interface includes various input fields for rate design parameters like 'Current Rate Date' (7/1/2012), '2 Tier Rate Ratio' (20%), and 'CARE Discount for Tier-1'. On the right, a 'Resulting 2-Tier Rate' table compares 'Non-CARE' and 'CARE' rates across five tiers. The 'Non-CARE' table shows sales (GWh) and % of sales for each tier, along with Jul-12 and 2-Tier rates. The 'CARE' table shows similar data but with lower rates. Below the tables, an 'Instruction for running this model' provides guidance on how to use the software steps. At the bottom, a 'Print Inputs and Reports' button is visible.

Figure B - 4: PG&E Proposed Rate no Fixed Charge based on July 1, 2012 Rates

PG&E -Rate Design and Bill Impact Analysis Model for Residential Electric Rate OIR

Enter Scenario Name & Reference Number in Cell B2

Step 2
Update Current Rate Bill

Step 3
Update Cost Based Bill

Rate Design Inputs: Non-TOU and TOU

Step 5
Calculate Non TOU Rates

Step 6
Update Non TOU Reports

Step 1
Update Baseline Quantity

Step 4
Calculate TOU Rates

Step 8
Update TOU Reports

Print Inputs and Reports

Current Rate Date => 7/1/2012

2 Tier Rate Ratio => 20%

of Tiers => 2

Baseline Allowance Percent => 55%

Baseline Allowance from the sample (Do not use the percent input) => No

Update Baseline Quantity

Tier-3 to Tier-4 Delta (cents/kWh) => 4.00

Tier-4 to Tier-5 Delta (cents/kWh) =>

T1 Increase (Over Current) => 3%

T2 Increase (Over Current) => 3%

Minimum Charge imposed in lieu of Customer Charge => No

Minimum Charge Applicable to Delivery Charge Only => Yes

Cust Charge \$/Mo. =>

Fixed Charge High Demand \$/Mo. =>

Fixed Charge Low Demand \$/Mo. =>

Fixed Charge Break Point kW => 3.00

CARE Discount for Tier-1, Cust. Chg., Demand Chg. & Min. Bill Amt. => 20%

CARE Discount for Tier-2 => 20%

CARE Discount for Tier-3 and Above => 20%

Income Based Discount 100% of Poverty Level or Below => 35%

Income Based Discount 100% to 200% of Poverty Level => 25%

Income Based Discount 200% to 300% of Poverty Level => 10%

Frozen CARE T1/T2 =>

(Needed only if income based discount is used) existing CARE Tier-3 rate =>

Apply income based discount to rate of Tier Based CARE Disc =>

Additional TOU Rate Design Specific Inputs

Number of TOU Periods => 3

TOU Rate Percent Differential: On-peak to Part-peak =>

TOU Rate Pot. Differential: Part-peak to Offpeak (N/A if 2 TOU periods) => 30%

TOU Base Line Credit in cents per kWh =>

Flat Non-TOU Tier-1 => No

Resulting 2-Tier Rate

Non-CARE	Tier	Forecast Sales (GVh)	% of Sales	Jul-12 Rate	2-Tier Rate
	1	12.93	6%	12.6	16.0
	2	2.45	10%	14.6	19.8
	3	3.33	16%	29.6	19.8
	4	1.70	8%	33.6	19.8
	5	0.94	4%	30.6	19.8
Cust \$/Mo.				0.0	0.0
Fixed Charge High Demand \$/Mo.				0.0	0.0
Fixed Charge Low Demand \$/Mo.				0.0	0.0
Min Charge \$/Mo.				4.5	0.0

CARE	Tier	Sales (GVh)	% of Sales	Jul-12 Rate	2-Tier Rate
	1	5.30	68%	8.3	13.2
	2	0.86	10%	9.6	15.8
	3	1.04	13%	12.5	15.8
	4	0.44	6%	12.5	15.8
	5	0.20	2%	12.5	15.8
Cust \$/Mo.				0.0	0.0
Fixed Charge High Demand \$/Mo.				0.0	0.0
Fixed Charge Low Demand \$/Mo.				0.0	0.0
Min Charge \$/Mo.				3.6	0.0

Instruction for running this model

For either a non-TOU or a TOU rate design, run steps 1 through 4 by clicking the respective macro button located in this sheet.

For designing a non-TOU rate structure, run steps 5 and 6 by clicking those buttons after steps 1 through 4 are completed.

For designing a TOU rate structure, run steps 7 and 8 by clicking those buttons after steps 1 through 4 are completed.

Please enter scenario name and reference number in cell B2.

NOTE FOR PRINTING:

To print all reports in PDF file, please go to File->Print and change the printer to PDF, then go to Summary tab and click "Print Inputs and Reports" button

To print all reports in hard copy, please go to File->Print and